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JAN 22 1970

CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK FOR IDAHO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE,

and

IDAHO STATE RECLAMATION ENGINEER

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
JAN. 1, 1970

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES.

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR IDAHO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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WATER SUPPLY OUTLOOK for IDAHO



GENERAL SUMMARY FOR JANUARY 1, 1970

Snowfall to date has been variable throughout Idaho. Drainages south of the Snake River are well above normal for this time of the year, but the remainder of the state to the north has a light snowpack. Snow cover varies from 50% of normal on the Flathead River to 151% on the Bruneau River in southern Idaho. Nearly all watersheds have far less snow than at this time last year.

Soil moisture conditions beneath the snowpack are near normal throughout the entire state. In general, temperatures have been warmer than usual. These conditions have resulted in an unusual pheonomena in southwestern Idaho. Pussy willows are already out and well developed in spots on Sinker Creek in Cwyhee County and Dry Creek in Ada County.

Valley precipitation was generally below normal in November but well above normal in December throughout the entire state. Carryover storage in the irrigation reservoirs has been excellent, reflecting the heavy runoff in 1969.

Usually about one-third of the winter snowpack is down by January 1st, so the percentage of snow-water at this time is a strong indicator of the total that may be expected for the season. The water supply outlook in general, when considering the good carryover storage, appears to be near normal throughout the state.

COMPARISON of SNOW COVER

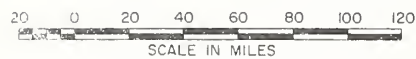
RIVER BASIN WATERSHED	NO.OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	1953-57 AVERAGE
<u>UPPER COLUMBIA RIVER BASIN</u>			
Pend Oreille River	12	42	57
Clark Fork River	6	51	62
Flathead River	6	33	50
Priest River	2-4	42	53
Spokane River	2-3	52	56
<u>LOWER SNAKE RIVER BASIN</u>			
Palouse River	5	53	82
Clearwater River	3-14	48	85
Salmon River	8-18	61	67
Lemhi River	6	66	--
<u>MIDDLE SNAKE RIVER BASIN - Northside</u>			
Little Lost River	5	59	54
Big Lost River	1-2	47	69
Big Wood River	4	53	62
Boise River	3-4	54	83
Payette River	7	70	90
Weiser River	1	63	82
<u>MIDDLE SNAKE RIVER BASIN - Southside</u>			
Raft River	1	74	111
Goose Creek	1	75	127
Salmon Falls Creek	3	96	121
Bruneau River	1	126	151
Owyhee River	5	60	116
<u>UPPER SNAKE RIVER BASIN</u>			
Camas-Beaver Creeks	2	65	104
Henrys Fork River	4-6	72	81
Teton River	2-3	73	89
Blackfoot River	2	46	--
Portneuf River	2	36	--
<u>GREAT BASIN</u>			
Montpelier Creek	4	67	55
Mink Creek	1	68	75
Cub River	2	38	--

SNOW WATER DEPTHS

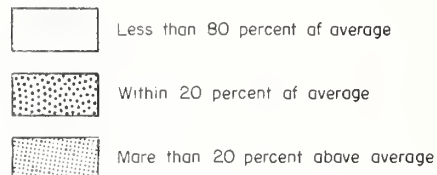
As percent of 1953-67 15 year average

JANUARY 1, 1970

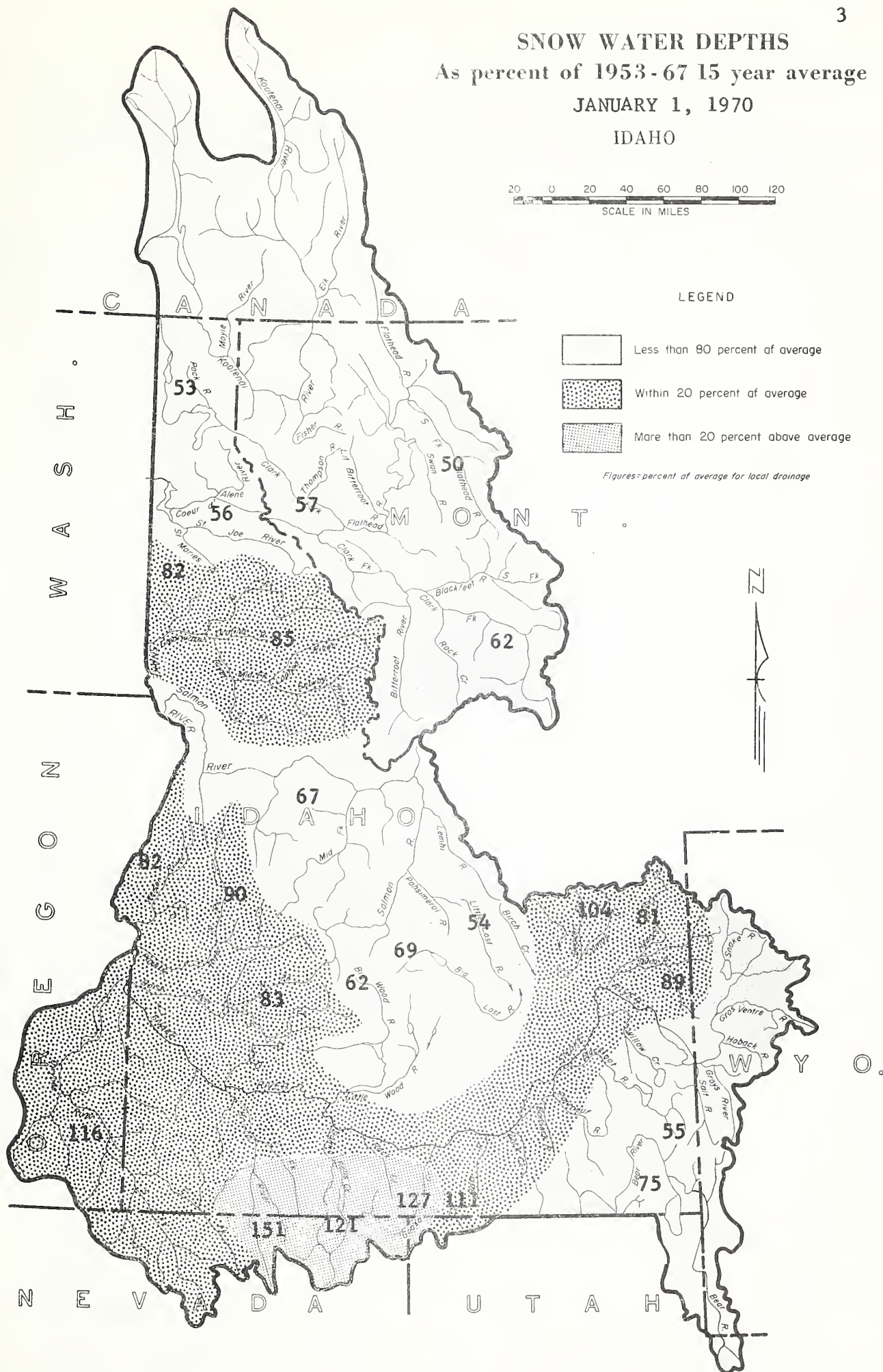
IDAHO



LEGEND



Figures=percent of average for local drainage



RESERVOIR STORAGE (1,000 Ac. Ft.)

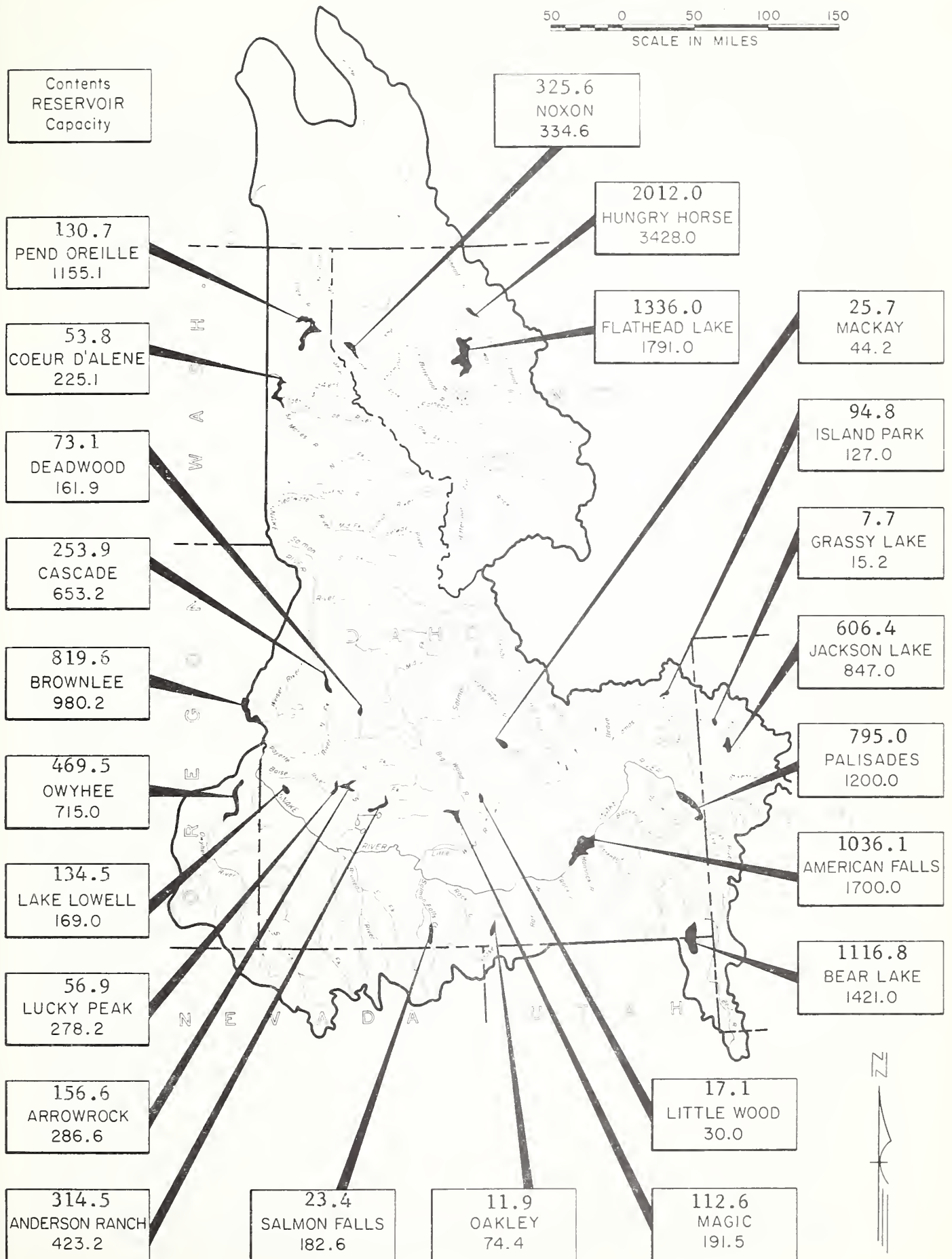
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-67 AVERAGE
<u>UPPER COLUMBIA BASIN</u>				
<u>Clark Fork - Pend Oreille</u>				
Hungry Horse	3428.0	2012.0	3147.0	2766.0*
Flathead	1791.0	1336.0	1402.0	1330.0
Pend Oreille	1155.1	130.7	563.6	515.4
Noxon	334.6	325.6	314.1	321.1*
<u>Spokane</u>				
Coeur d'Alene	225.1	53.8	151.8	153.2
<u>SNAKE BASIN</u>				
<u>Snake</u>				
Jackson Lake	847.0	606.4	621.0	423.4
Palisades	1200.0	795.0	1049.9	634.0*
American Falls	1700.0	1036.1	1268.4	1029.7
Island Park	127.0	94.8	108.4	76.2
Grassy Lake	15.2	7.7	9.6	10.2
Brownlee	980.2	819.6	780.3	773.2*
<u>Goose-Trapper Creeks</u>				
Oakley	74.4	11.9	10.8	11.2
<u>Salmon Falls Creek</u>				
Salmon Falls	182.6	23.4	13.4	19.9
<u>Big Lost</u>				
Mackay	44.2	25.7	35.0	25.4
<u>Big Wood</u>				
Magic	191.5	112.6	54.3	87.2
<u>Little Wood</u>				
Little Wood	30.0	17.1	15.5	8.5*
<u>Fish Creek</u>				
Carey Valley	14.4	6.2	--	--
<u>Boise</u>				
Anderson Ranch	423.2	314.5	184.5	250.0
Arrowrock	286.6	156.6	186.7	197.5
Lucky Peak	278.2	56.9	21.0	58.0*
Lake Lowell (Deer Flat)	169.0	134.5	136.2	93.0
<u>Owyhee</u>				
Owyhee	715.0	469.5	174.9	330.8
<u>Payette</u>				
Cascade	653.2	253.9	343.6	283.8
Deadwood	161.9	73.1	68.1	63.5
<u>Weiser</u>				
Mann Creek	11.1	4.2	3.8	--
<u>GREAT BASIN</u>				
<u>Bear</u>				
Bear Lake	1421.0	1116.8	1076.0	845.0
* Period of Record.				

* Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

JANUARY 1, 1970



VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Fall		Winter	
	Sept-Oct. 1969		Nov-Dec. 1969	
	Observed	Departure <u>2/</u>	Observed	Departure <u>2/</u>
Kootenai, Canada & U. S.	4.73	+0.84	3.66	-2.67
Flathead	2.78	-0.28	1.98	-2.44
Clark Fork	1.60	-0.16	0.90	-1.06
Pend Oreille-Spokane	3.81	-0.07	4.38	-3.69
Upper Snake	2.59	+0.07	3.05	-1.05
Snake River Plain	1.17	+0.04	1.98	+0.10
Salmon-Payette-Boise	1.91	-0.22	3.60	-1.11
Clearwater	4.35	+0.72	3.50	-2.29
Southeastern Oregon	1.27	+0.05	2.13	-0.08

1/ Preliminary analysis by U. S. Weather Bureau from data furnished by Meterological Service of Canada and U. S. Weather Bureau.

2/ Departure from 15-year (1953-67) drainage division average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (inches)	WATER CONTENT (inches)	WATER CONTENT (inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

UPPER COLUMBIA RIVER BASINPEND OREILLE - PRIEST RIVER

Benton Meadow	16A2	2344	12/30	10	2.4	3.7	3.2
Benton Spring	16A3	4900	12/30	18	3.8	9.1	8.6
#Mosquito Ridge	16A4	5110	12/30	36	7.0	--	--
#Mosquito Ridge (SP)	16A4	5110	12/30	--	6.6	--	--
Schweitzer Bowl	16A6	4500	12/30	33	7.7	18.5	--
Schweitzer Ridge	16A5	6100	12/30	46	12.0	29.7	--

SPOKANE RIVER

Above Burke	15B8	4100	12/17	14	3.1	--	--
Above Burke (SP)	15B8	4100	12/17	--	2.1	--	--
Above Burke (SP)	15B8	4100	12/29	--	6.5	--	--
Fourth of July Summit	16B3	3100	12/31	11	1.8	3.7	3.5*
Lookout	15B2	5250	12/31	36	9.0	18.8	15.7
Mosquito Ridge	16A4	5110	12/30	36	7.0	--	--
Mosquito Ridge (SP)	16A4	5110	12/30	--	6.6	--	--
Sherwin	16C1	3200	1/3	18	3.8	5.6	--
Sherwin (SP)	16C1	3200	1/3	--	3.6	--	--

LOWER SNAKE RIVER BASINPALOUSE RIVER

Crumarine Creek	16C6	3340	1/2	13	2.6	4.4	2.5*
East Twin	16C3	4050	1/2	13	2.8	6.3	3.9*
Howard Creek	16C5	3450	1/2	11	1.9	3.0	1.6*
Moscow Mountain	16C2	4400	1/2	18	4.4	7.5	5.9*
West Twin	16C4	4250	1/2	12	2.2	4.8	3.0*

CLEARWATER RIVER

Cayuse Airstrip	15C3	3700	1/5	16	4.3	10.6	3.6*
Cottonwood Butte	16C16	5140	12/30	14	2.6	6.8	--
Crater Meadows (A)	15C9	6100	1/5	51	13.9	22.0	--
Crooked Fork	14C10	3800	12/30	15	3.2	4.5	--
Fish Lake Airstrip	15C2	5000	1/5	47	13.6	--	16.8*
Hemlock Butte	16C6	5500	1/5	41	11.2	31.0	--
#Hoodoo Basin Mont.	15C8	6000	12/29	53	12.9	28.1	--
#Hoodoo Basin (SP)Mont.	15C8	6000	12/31	--	11.5	--	--
#Hoodoo Creek Mont.	15C1	5900	12/29	46	10.2	26.0	--
Lolo Pass	14C5	5230	12/30	35	6.8	12.8	--
Lower Snowhaven	16D7	5250	12/30	20	5.1	8.9	--
Midway	16C12	2200	12/30	5	1.0	1.9	--
Pierce Rgr. Sta.	15C5	3170	12/30	15	3.0	6.0	4.3*
Powell Rgr. Sta.	14C6	4230	12/30	14	2.8	5.0	--

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE ^b

Savage Pass	14C4	6600	12/30	27	5.8	--	--
Shanghai Summit (A)	15C4	4600	1/5	27	7.4	15.3	--
Upper Snowhaven	16D4	5600	12/30	22	5.5	10.3	--

SALMON RIVER

Big Creek Summit	15E2	6600	12/31	44	11.2	17.5	17.0*
#Boulder Creek	16D1	5500	12/29	35	8.0	12.7	9.7*
Brundage Mountain	16D6	7560	12/29	65	16.6	23.9	--
Chapman Creek	16D2	4215	12/30	3	0.4	2.4	1.5*
#Galena Summit	14F12	8795	12/29	34	6.9	12.4	9.9
#Gibbons Pass Mont.	13D2	7100	1/2	28	5.6	10.4	9.6
Johns Creek	16D3	3805	12/30	2	0.2	1.4	1.1*
Mill Creek Summit	14E1	8870	12/31	28	6.5	12.0	--
Moose Creek	13D16	6200	12/31	22	4.0	5.8	--
Morgan Creek	14E4	7580	12/28	18	3.7	6.2	--
#Rock Flat Summit	16E1	5200	12/29	26	5.2	8.6	6.6
Whitebird Summit	16D5	4390	12/30	6	1.0	3.6	2.2*

Lemhi River

Above Gilmore	13E19	8200	12/30	16	3.9	5.2	--
Aspen-Hall Pass	13E21	8110	12/29	23	4.9	6.0	--
Copes Camp	13E17	7500	12/29	13	2.4	4.7	--
Hall Creek	13E20	7560	12/29	12	2.2	3.7	--
Meadow Lake	13E18	9100	12/30	26	5.8	8.6	--
Schwartz Lake	13E16	8500	12/29	19	4.3	7.4	--

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>SPOKANE RIVER</u>							
Fourth of July Summit	3100	48	11.6	12/31	8.2	10.2	9.2
Lookout	5250	48	11.0	12/31	7.4	8.5	8.3
<u>CLEARWATER RIVER</u>							
Brown	3100	36	6.7	12/30	5.6	5.8	5.6
Midway	2200	36	6.1	12/30	5.0	5.4	5.2
<u>SALMON RIVER</u>							
Mill Creek Summit	8870	48	8.4	12/31	4.4	6.8	6.6
<u>Lemhi River</u>							
Above Gilmore	8200	60	5.4	12/30	2.4	4.3	3.0
Meadow Lake	9100	48	4.4	12/30	1.9	2.6	2.1

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

MIDDLE SNAKE RIVER BASIN - NORTHSIDELITTLE LOST RIVER

Fairview Guard Sta.	13E5	6750	12/29	10	1.2	1.6	1.6*
Lost Garfield	13E3	6600	12/29	7	1.0	1.4	1.5*
Moonshine	13E6	7450	12/29	16	2.2	3.8	4.8*
Sawmill Canyon	13E4	6900	12/29	12	1.5	3.8	3.5*
Wet Creek Summit	13E7	7600	12/31	16	2.6	3.7	4.3*

BIG LOST RIVER

Iron Bog	13F11	7650	12/30	17	2.8	--	--
Leadbelt	13F12	6800	12/30	11	2.0	4.6	--
White Knob	13F1	7700	12/31	10	2.0	3.9	2.9*

BIG WOOD RIVER

Galena	14F1	7300	12/30	26	5.4	9.8	7.8
Galena Summit	14F12	8795	12/29	34	6.9	12.4	9.9
Graham Ranch	14F5	6200	12/31	16	3.0	6.0	5.6
Mount Baldy	14F9	9000	1/1	24	4.6	9.6	8.8

BOISE RIVER

Atlanta Summit	15F4	7500	12/29	41	9.1	--	--
Atlanta Summit (SP)	15F4	7500	12/29	--	9.1	--	--
Bad Bear	15F2	5500	12/31	14	3.0	--	4.9*
#Bogus Basin	16F2	6120	1/2	31	8.5	13.0	8.0
Bogus Basin Road	16F4	5360	1/6	12	2.0	5.5	1.9*
Moore's Creek Summit	15F1	6100	12/31	35	9.0	17.9	12.3
Trinity Mountain	15F5	7780	12/31	44	11.4	17.3	--
Trinity Mountain (SP)	15F5	7780	12/31	--	11.1	--	--

PAYETTE RIVER

#Big Creek Summit	15E2	6600	12/31	44	11.2	17.5	17.0*
Bogus Basin	16F2	6120	1/2	31	8.5	13.0	8.0
#Brundage Mountain	16D6	7560	12/29	65	16.6	23.9	--
Cozy Cove	15E8	5900	1/2	23	6.6	7.0	5.9
Crawford Rgr. Sta.	15E3	4800	12/31	14	2.6	--	2.7*
Deadwood Airstrip	15E10	5440	1/2	23	6.4	7.3	5.6*
Deadwood Dam	15E7	5290	1/2	24	6.8	9.8	6.5
Rock Flat Summit	16E1	5200	12/29	26	5.2	8.6	6.6

WEISER RIVER

Boulder Creek	16D1	5500	12/29	35	8.0	12.7	9.7*
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(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE ^b

MIDDLE SNAKE RIVER BASIN - SOUTHSIDE

RAFT RIVER

Howell Canyon 13G1 8000 12/29 39 10.4 14.1 9.4*

GOOSE CREEK

Badger Gulch 14G3 6660 12/31 17 4.2 5.6 3.3*

SALMON FALLS CREEK

Deadline 14G4 6900 12/30 36 8.6 10.3 8.1*
 Magic Mountain 14G2 6700 12/30 29 6.9 8.3 6.3*
 #Pole Creek R.S. Nev. 15H14 8330 12/29 40 9.8 7.8 6.5*

BRUNEAU RIVER

Pole Creek R.S. Nev. 15H14 8330 12/29 40 9.8 7.8 6.5*

OWYHEE RIVER

Silver City 16F3 6400 1/5 20 4.9 7.3 4.9*
 South Mountain 16G1 6340 12/29 17 4.6 7.4 3.6*
 South Mountain (SP) 16G1 6340 12/29 20 5.0 -- --

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>RAFT RIVER</u>							
Conner Pass	5700	36	9.8	12/29	8.2	--	8.0
Howell Canyon	8000	48	11.5	12/29	7.1	7.1	4.8
Sheep Hollow	6200	36	7.5	10/1	2.4*	6.5*	2.0*
Sublett	6000	36	7.0	10/1	4.2*	5.4*	3.6*
<u>GOOSE CREEK</u>							
Badger Gulch	6660	36	7.0	12/31	5.4	5.9	--
<u>SALMON FALLS CREEK</u>							
Deadline	6900	36	7.4	12/30	6.1	7.0	5.4
Patrick Ranch	5720	36	7.7	12/29	4.6	4.5	4.7
Pole Creek R. S.	8330	48	9.7	12/29	5.2	6.2	4.4
<u>OWYHEE RIVER</u>							
Triangle	5150	48	16.2	10/6	9.7*	13.4*	7.8*
* Fall Measurement							

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

UPPER SNAKE RIVER BASINCAMAS-BEAVER CREEKS

Camp Creek	12E3	6800	12/31	16	3.3	5.1	3.5
Kilgore	11E12	6200	12/28	19	4.0	6.2	3.5*

HENRYS FORK RIVER

Big Springs	11E9	6500	12/30	31	5.4	8.4	7.2
Island Park	11E10	6315	12/30	27	4.6	6.4	5.6
Grassy Lake Wyo.	10E15	7230	12/29	54	12.4	15.9	13.4
Sawtelle Mountain	11E32	8715	12/30	48	11.9	15.0	--
Targhee Pass	11E34	7000	12/30	23	4.0	5.6	--
Valley View	11E8	6500	12/30	23	3.2	6.3	5.3

TETON RIVER

Freds Mountain	10F22	8000	12/30	43	9.4	11.8	--
Pine Creek Pass	11F2	6750	12/30	29	5.9	8.5	6.0*
State Line	11F1	6400	12/30	24	4.3	6.4	5.4

WILLOW CREEK

Bone	11F8	6200	1/5	12	2.0	3.3	--
Ozone	11F4	5800	1/5	7	1.1	T	--

SAND CREEK

Henry Creek	11F6	5650	1/3	9	1.3	2.6	--
Taylor Mountain	11F7	6500	1/3	16	3.2	2.4	--

BLACKFOOT RIVER

China Hat	11G2	6300	12/30	8	1.3	3.6	--
Somsen Ranch	11G1	7000	12/30	21	3.6	7.1	--

PORTNEUF RIVER

Cove	11G25	5525	12/29	6	0.5	--	--
Lower Pebble	12G6	5800	12/29	11	2.5	8.5	--
Moser	11G24	5950	12/29	8	1.1	--	--
North Bancroft #1	11G23	5460	12/29	5	0.8	--	--
North Bancroft #2	11G22	5430	12/29	4	0.5	--	--
Pebble Creek	12G2	6550	12/29	14	3.2	7.2	--

(b) 1953-67, 15 year period. " Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>HENRYS FORK RIVER</u>							
Island Park	6315	48	9.9	12/30	7.6	9.0	8.5
Valley View	6500	48	13.3	12/30	3.8	9.1	4.8
<u>TETON RIVER</u>							
Pine Creek Pass	6750	48	13.3	12/30	10.2	13.2	11.4
State Line	6400	48	14.8	12/30	10.7	13.0	13.5
Teton Pass	8500	48	10.5	9/29	7.3*	8.1	9.2
<u>PORTNEUF RIVER</u>							
Lower Dempsey	5210	48	18.7	10/31	13.6*	15.8 ^d	16.4
Lower Pebble	5800	36	7.6	12/29	4.2	7.9	6.2
Pebble Creek	6550	48	7.2	12/29	3.8	6.2	4.3
* Fall Measurement							
d December Measurement							

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE ^b

GREAT BASIN

BEAR RIVER

Emigrant Summit	11G6	7350	12/29	29	6.7	9.8	8.9*
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Montpelier Creek

Giveout	11G16	6840	12/31	21	3.9	3.9	5.0*
Little Beaver	11G20	6970	12/31	18	2.9	4.7	6.4*
Montpelier Creek	11G18	6570	12/31	13	2.1	4.2	4.1*
Whiskey Flat	11G21	6985	12/31	11	1.9	3.3	4.3*

Cub River

Cub River R. S.	11G12	5400	12/30	12	2.1	4.4	--
Willow Flat	11G4	6100	12/30	15	2.4	7.3	--

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>BEAR RIVER</u>							
Emigrant Summit	7350	36	8.2	12/29	6.2	4.1	2.5
Strawberry Creek	5800	48	12.7	12/29	7.3	7.1	4.6
<u>Montpelier Creek</u>							
Giveout Pass	7025	36	9.4	12/31	4.0	4.0	2.4
Jenson Ranch	6580	48	18.7	12/31	8.7	8.8	6.2

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Cage snow-water equivalent.

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and
Water Resources, British Columbia
Department of Resources and Development,
Water Resources Division

States:

Idaho State Reclamation Engineer
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers
U. S. Department of Agriculture
Forest Service
Agricultural Research Service
U. S. Department of Commerce
Environmental Sciences Service Administration,
Weather Bureau
U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

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SOIL CONSERVATION SERVICE

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